

CLAIMS

Claim 1. A light bulb , comprising:

at least one light emitting device;

a cup in which said light emitting device is housed;

a metal grid placed in the open end of said cup, serving as a radiator to dissipate the heat generated from said light emitting device, and as windows for transmission of light emitted from said light emitting device.

Claim 2. The light bulb as described in claim 1, wherein said metal grid comprises a matrix of parallel horizontal plates and parallel vertical walls, each having an outer surface facing said open end and an inner surface facing said light emitting device.

Claim 3. The light bulb as described in claim 2, wherein said at least one light emitting device is placed on said inner surface of said metal grid.

Claim 4. The light bulb as described in claim 2, wherein each one of said light emitting device has two electrodes connected to one of said parallel horizontal plates and one of said parallel vertical walls respectively, and said horizontal plates and said vertical walls are insulated from each other.

Claim 5. The light bulb as described in claim 1, wherein said cup is back-filled with transparent material selected from the group consisting of glass and transparent polymer composite.

Claim 6. The light bulb as described in claim 1, wherein one said light emitting device is placed at the bottom of the cup.

Claim 7. The light bulb as described in claim 5, wherein said metal grid is partially protruded outside back-filled material for increasing heat removal.